

**WHAT IS CLAIMED IS:**

1. A method for storing print data in non-volatile storage in a target printer, comprising:

(a) a step for creating the print data;

5 (b) a step for creating a command data set for storing the print data in the non-volatile storage in the target printer;

(c) a step for creating a data storage file containing both the print data and the command data set; and

10 (d) a file output step for storing the data storage file in a data storage medium readable by a host device, or for sending the data storage file to the host device via a communication path;

wherein the data storage file, when read by the host device, causes the host device to transmit the print data to the target printer for storage in the non-volatile storage therein.

15 2. A method as described in claim 1, wherein the command data set includes a data storage command set, executable by the target printer, for storing the print data in the non-volatile storage of the target printer.

20 3. A method as described in claim 1, wherein the command data set includes a command set, executable by the host device, for creating a data storage command set for storing the print data in the non-volatile storage of the target printer.

4. A method as described in claim 2, wherein the command data set includes a data transmission command set, executable by the host device, for sending the data storage command set and the print data to the target printer.

25 5. A method as described in claim 3, wherein the command data set includes a data transmission command set, executable by the host device, for sending the data storage command set and the print data to the target printer.

6. A method as described in claim 4, wherein the data transmission command set comprises communication parameters for connecting the host device with the target printer.

7. A method as described in claim 6, wherein the data transmission command set includes an executable command set which, when run by the host device, detects the communication parameters, and sends the data storage command set and print data to the target printer according to the detected communication parameters.

8. A method as described in claim 6, wherein the data transmission command set includes an executable command set which, when run by the host device, enables inputting the communication parameters including communication settings, and enables setting the communication settings for sending the data storage command set to the target printer based on the input communication parameters.

9. A method as described in claim 1, further comprising a step for storing the print data in the target printer based on the command data set in the data storage file as a result of the host device accessing the data storage file.

10. A computer-readable data storage medium embodying a program of instructions for directing a computer to execute a method for storing print data in non-volatile storage in a target printer, comprising:

(a) instructions for creating the print data;

20 (b) instructions for creating a command data set for storing the print data in the non-volatile storage in the target printer;

(c) instructions for creating a data storage file containing both the print data and the command data set; and

25 (d) instructions for storing the data storage file in a data storage medium readable by a host device, or for sending the data storage file to the host device via a communication path;

wherein the data storage file, when read by the host device, causes the host device to transmit the print data to the target printer for storage in the non-volatile storage therein.

- 5        11. A computer-readable data storage medium as described in claim 10, wherein the command data set includes a data storage command set, executable by the target printer, for storing the print data in the non-volatile storage of the target printer.
- 10        12. A computer-readable data storage medium as described in claim 10, wherein the command data set includes a command set, executable by the host device, for creating a data storage command set for storing the print data in the non-volatile storage of the target printer.
- 15        13. A computer-readable data storage medium as described in claim 11, wherein the command data set includes a data transmission command set, executable by the host device, for sending the data storage command set and the print data to the target printer.
- 20        14. A computer-readable data storage medium as described in claim 12, wherein the command data set includes a data transmission command set, executable by the host device, for sending the data storage command set and the print data to the target printer.
- 25        15. A computer-readable data storage medium as described in claim 13, wherein the data transmission command set comprises communication parameters for connecting the host device with the target printer.
16. A computer-readable data storage medium as described in claim 15, wherein the data transmission command set includes an executable command set which, when run by the host device, detects the communication parameters, and sends the data storage command set and print data to the target printer according to the detected communication parameters.

17. A computer-readable data storage medium as described in claim 15, wherein  
the data transmission command set includes an executable command set which,  
when run by the host device, enables inputting the communication parameters  
including communication settings, and enables setting the communication settings  
5 for sending the data storage command set to the target printer based on the input  
communication parameters.

18. A computer-readable data storage medium as described in claim 10, further  
comprising instructions for storing the print data in the target printer based on the  
command data set in the data storage file as a result of the host device accessing the  
10 data storage file.

19. A computer-readable data storage medium as described in claim 10, wherein  
the data storage medium comprises a compact disc, floppy disk, hard disk, magnetic  
tape, or electromagnetic carrier wave.

20. An apparatus for creating a data storage file and for storing print data to non-  
volatile storage in a printer, comprising:  
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an editor for creating print data;  
a command data set generator for creating a command data set for storing the  
print data created by the editor in the printer;  
a file generator for creating a data storage file containing both the print data  
20 and the command data set generated by the command data set generator; and  
an output device for storing the data storage file and writing the data storage  
file to a data storage medium or outputting the data storage file via a  
communication path.

21. An apparatus as described in claim 20, wherein the command data set  
generator generates a data storage command set that is adapted to be executed by  
25 the target printer to store the print data, and wherein the file generator combines  
the data storage command set and the print data to create the data storage file.

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22. An apparatus as described in claim 21, wherein the command data set generated by the command data set generator includes a data storage command set that is adapted to be executed by the target printer and a data transmission command set for sending the data storage command set to the target printer from a host device to which the target printer is connected, and wherein the file generator combines the data storage command set, data transmission command set, and the print data to create the data storage file.

23. An apparatus as described in claim 22, wherein the data transmission command set generated by the command data set generator includes an executable command set enabling input of communication parameter data including information regarding the target printer connection port when the host device opens the data storage file.

24. An apparatus as described in claim 22, wherein the data transmission command set generated by the command data set generator includes an executable command set for detecting and obtaining communication parameter data including information regarding the target printer connection port when the host device opens the data storage file.